



Program Information

Release 2002/05/17 : CIA-RDP83T00573R000200100067-9

SERIES TITLE: FAST FORWARD
NUMBER/DURATION: 13 x 30 minutes
AUDIENCE LEVEL: General
SUBJECT AREA: Science, Sociology

SERIES DESCRIPTION:

Almost without our knowing it, our everyday lives have been invaded by electronic gadgets that are quickly changing everything we know and do. Children learn their arithmetic from "Little Professor" computer toys sold in supermarkets. Electronic watches soundlessly mark off the seconds. Household calculators are now cheaper than bagfuls of groceries. A new wave of students, fully literate in electronic language, awaits the arrival of cheap household computers. What is happening? How will this revolution continue to alter our lives?

Fast Forward reviews all the fast-breaking technological developments and their implications, showing revolutionary gadgets like fast-read "sound books" for the blind that promise a new future for the handicapped as well as for ordinary people. It shows how we will soon be linked with just about everyone in the world through TV satellites and how inventions in fiber optics will speed up the already giddy pace of electronic advancement. Barely after their completion, New York's Museum of Broadcasting acquired Fast Forward programs for their archives. "Fast Forward is what educational television should be--informative. Fast-moving and fascinating." Toronto Star

PROGRAM DESCRIPTION:

1. THE MICRO-ELECTRONIC REVOLUTION BPN 166401 (28:50)

The minuscule microprocessing chip can replace pounds of old equipment. At the same time it has already revolutionized information processing, storage and transmission, from children's toys to complex computers.

2. THE INFORMATION MARKETPLACE BPN 166402 (28:50)

This program shows how information moves out instantly to consumers through computer, telephone and television technology.

3. PERSONAL COMPUTING BPN 166403 (28:50)

Rather than an ominous instrument of scientists in white coats, the computer has come into the home as instructor, entertainer, accountant and ubiquitous communications agent.

4. GLOBAL TELEVISION BPN 166404 (28:10)
For one single day TVOntario received tapes of news broadcasts from 20 countries around the world to show the influence of varying technical standards and politics on the television medium.

5. HUMANIZED TECHNOLOGY BPN 166405 (28:50)
Computers and robots programmed to accept instruction are now so advanced that they can act in a virtually human manner.

6. BIOMEDICAL ENGINEERING BPN 166406 (28:50)
The blind, the deaf, and other handicapped people can benefit from new technology specially designed to replace damaged or ineffective bodily senses and functions.

7. THE INFORMATION FLOW BPN 166407 (28:50)
There is an enormous new flow of information available through TV cables, fiber optics and telephone interconnections.

8. NEW PERSPECTIVES BPN 166408 (28:50)
This program demonstrates what we may see when we allow machines to supplement our eyes. Weather satellites and electronic microscopes go where we cannot and literally open new vistas.

9. * COMPUTER SIMULATION BPN 166409 (28:50)
Computers now create simulations of situations too dangerous or expensive to allow in real life. Scientists can "crash" an airplane and see the effects. Ship pilots can learn how to handle a gargantuan oil tanker solely by computer make believe.

10. ELECTRONIC MEDICINE BPN 166410 (28:50)
The body is more than just a chemical organism to be doused with drugs when unhealthy. The body is also electronic and subject to safe electronic manipulation. This program shows the electronic "pill" that can cancel pain without addiction; electronic growth stimulation that can speed fracture healing in bones; and also the celebrated cardiac pacemaker.

11. MEMORY AND STORAGE BPN 166411 (28:50)
This program traces the development of electronic memory from relays and tubes to transistors and integrated circuits and onwards to new technologies involving Josephson junctions.

✓12. MUSIC

BPN 166412

(28:50)

New aspects of sound are enlarging the acoustical environment. This program examines the electronic instruments that are creating wholly original sounds, ranging from the electric guitar to the latest computer-controlled synthesizers.

✓13. TELEVISION

BPN 166413

(28:50)

This program examines the medium of television, its message and its creators. Viewers see the televisions of the future: sets thinner than a slice of bread, sets that display two pictures at once, and more.

* Official Screening, National Computer Conference, New York.

For more information or preview cassettes, please
contact: TVONTARIO MARKETING (416) 484-2613